

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5

IN THE MATTER OF:	)	
	)	
Marathon Ashland Petroleum	)	Notice of Violation
Detroit, Michigan	)	
	)	EPA-5-99-MI-8
	)	
PROCEEDINGS PURSUANT TO	)	
SECTION 113(a) (1) OF THE	)	
CLEAN AIR ACT,	)	
42 U.S.C. § 7413(a) (1) .	)	

**STATUTORY AUTHORITY**

This Notice of Violation is issued pursuant to Section 113(a) (1) of the Clean Air Act (Act), 42 U.S.C. § 7413(a) (1). You are hereby notified that the Administrator of the United States Environmental Protection Agency (U.S. EPA), by authority duly delegated to the undersigned, finds Marathon Ashland Petroleum LLC (MAP), located in Detroit, Michigan, in violation of the Wayne County Air Pollution Control Division (WCAPCD) Regulations and the Michigan State Implementation Plan (SIP).

**REGULATORY BACKGROUND**

1. Wayne County Air Pollution Control Division Regulations Section 6.3A and Section 6.3G, governing sulfur compound emissions was approved by U.S. EPA on May 6, 1980. 45 Fed. Reg. 29720; and as amended on March 26, 1990, 55 Fed. Reg. 11029.
2. Wayne County Air Pollution Control Division Regulation Section 6.3A establishes a 280 parts per million by volume sulfur dioxide in exhaust gas relating to power generation, steam generation, space heating and service water heating.
3. Wayne County Air Pollution Control Division Regulation Section 6.3G establishes a 300 parts per million by volume sulfur dioxide for all sources not specifically named in paragraph 2, this includes the Fluid Catalytic Cracking Unit.
4. Michigan State Rule 336.1331, governing particulate matter emissions was approved by U.S. EPA on May 6, 1980. 45 Fed. Reg. 29790; and as amended July 13, 1992, 45 Fed. Reg. 27923.
5. Michigan State Rule 336.1331 establishes a particulate matter limitation using the following formula when the catalyst recycle rate is greater than 30 tons per hour:

$$E = (55 (P^{0.11})) - 40$$

Where E = allowable emission rate in pounds per hour and  
 P = catalyst recycle rate, including amount of fresh catalyst  
 added in tons per hour.

#### FACTUAL BACKGROUND

6. Marathon Ashland Petroleum LLC (MAP), owns and operates a petroleum refinery in Detroit, Michigan.
7. The refinery has, among other sources, a Fluid Catalytic Cracking Unit (FCCU) and a Fluid Catalytic Cracking Unit/Carbon Monoxide Boiler (FCCU/CO Boiler).

#### FINDINGS OF VIOLATION


8. Stack tests were conducted at the MAP refinery on June 23-24, 1992 on the FCCU/CO Boiler, November 28-29, 1995 on the FCCU, December 17, 1997 on the FCCU/CO Boiler, and October 22, 1998 on the FCCU. The FCCU and FCCU/CO Boiler were found to be in violation of the emission limitations for sulfur dioxide and particulate matter as follows:

Date of Test	Particulate Matter		Sulfur Dioxide	
	Limit (#/hr)	Actual (#/hr)	Limit (ppmv)	Actual (ppmv)
June 23-24, 1992	79.67	124.93		
Nov. 28-29, 1995			300	327
Dec. 17, 1997	76.23	339.0	280	631
Oct. 22, 1998			300	537

#### NOTICE OF VIOLATION

The Administrator of the U.S. EPA, by authority duly delegated to the undersigned, notifies the State of Michigan and MAP that the facility described above has violated of the applicable WCAPCD and Michigan SIP as set forth in the Notice of Violation.

12/30/98  
 \_\_\_\_\_  
 Date

  
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 Stephen Rothblatt, Acting Director  
 Air and Radiation Division